

## Special Issue

# Bioactive Compounds through Structural Modification of Natural Products

### Message from the Guest Editor

Pharmacological activity and druggability are two essential factors for drug innovation. Natural products are a rich source of therapeutic drugs. They are unusually featured by structural diversity. The structural modification of natural products should result in a synthesis process ready for industrialization, protect the environment and resources, realize chemical modifications according to the molecular size and complexity of natural products, acquire novel structures through structure–activity relationship analysis, pharmacophore definition, and scaffold hopping. This Special Issue will focus on papers showing data with new molecules obtained after molecular modifications in natural products, on the synthesis and/or biological effects of new compounds designed using medicinal chemistry approaches looking to improve the activities of original molecules obtained from natural products against worldwide diseases, including, but not limited to, neglected diseases, chronic inflammatory diseases, cancer, tropical diseases (malaria, leishmaniosis, dengue, zika), neurological diseases, cancer, and COVID-19.

### Guest Editor

Prof. Dr. Patricia Fernandes

Laboratory of Pain and Inflammation, Institute of Biomedical Sciences,  
Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

### Deadline for manuscript submissions

closed (30 July 2024)



## Pharmaceuticals

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/194260](https://mdpi.com/si/194260)

*Pharmaceuticals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceuticals@mdpi.com](mailto:pharmaceuticals@mdpi.com)

[mdpi.com/journal/  
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)





# Pharmaceuticals

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/journal/  
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)



## About the Journal

### Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

---

### Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)